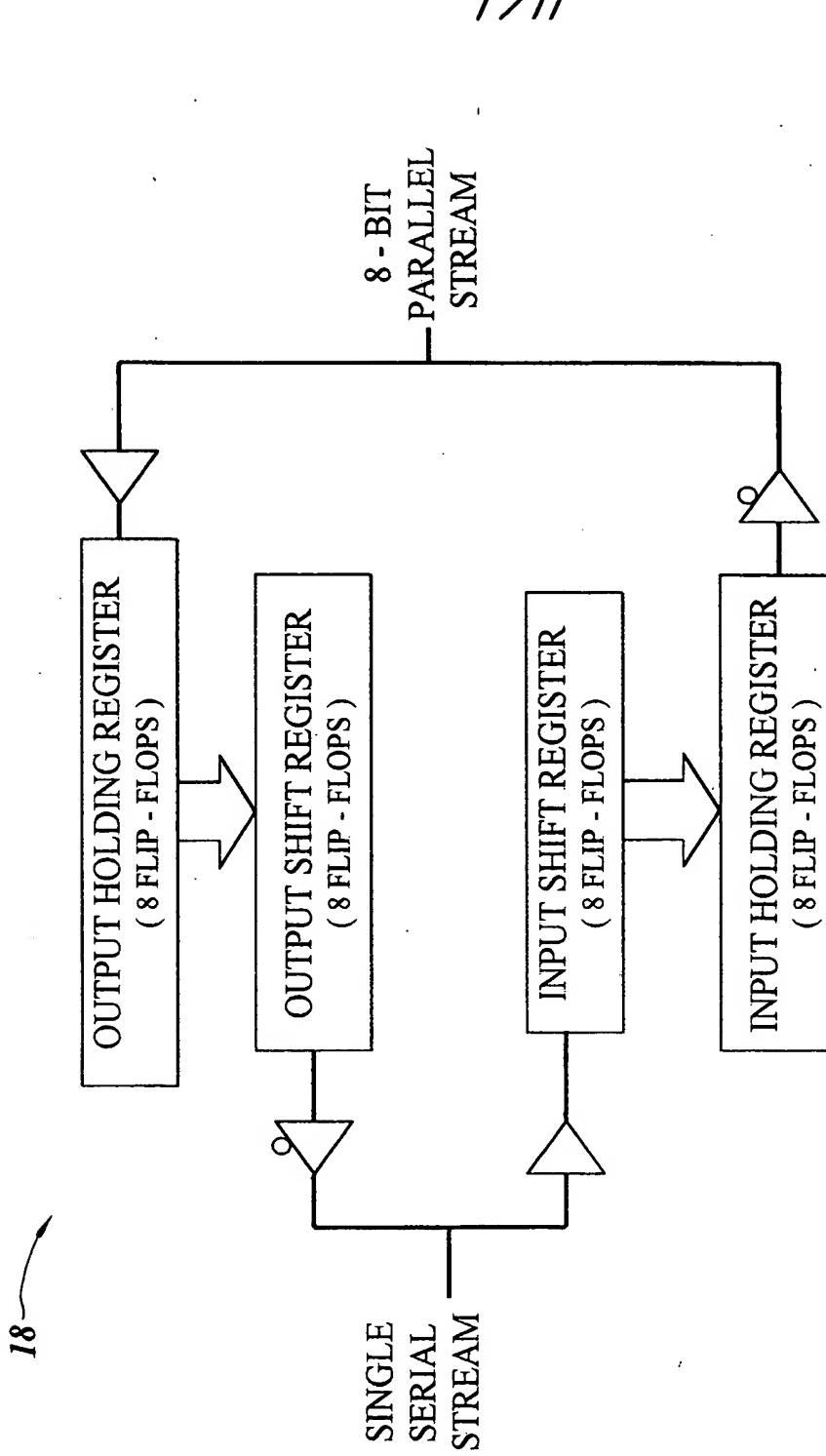




FIG. 1
(PRIOR ART)



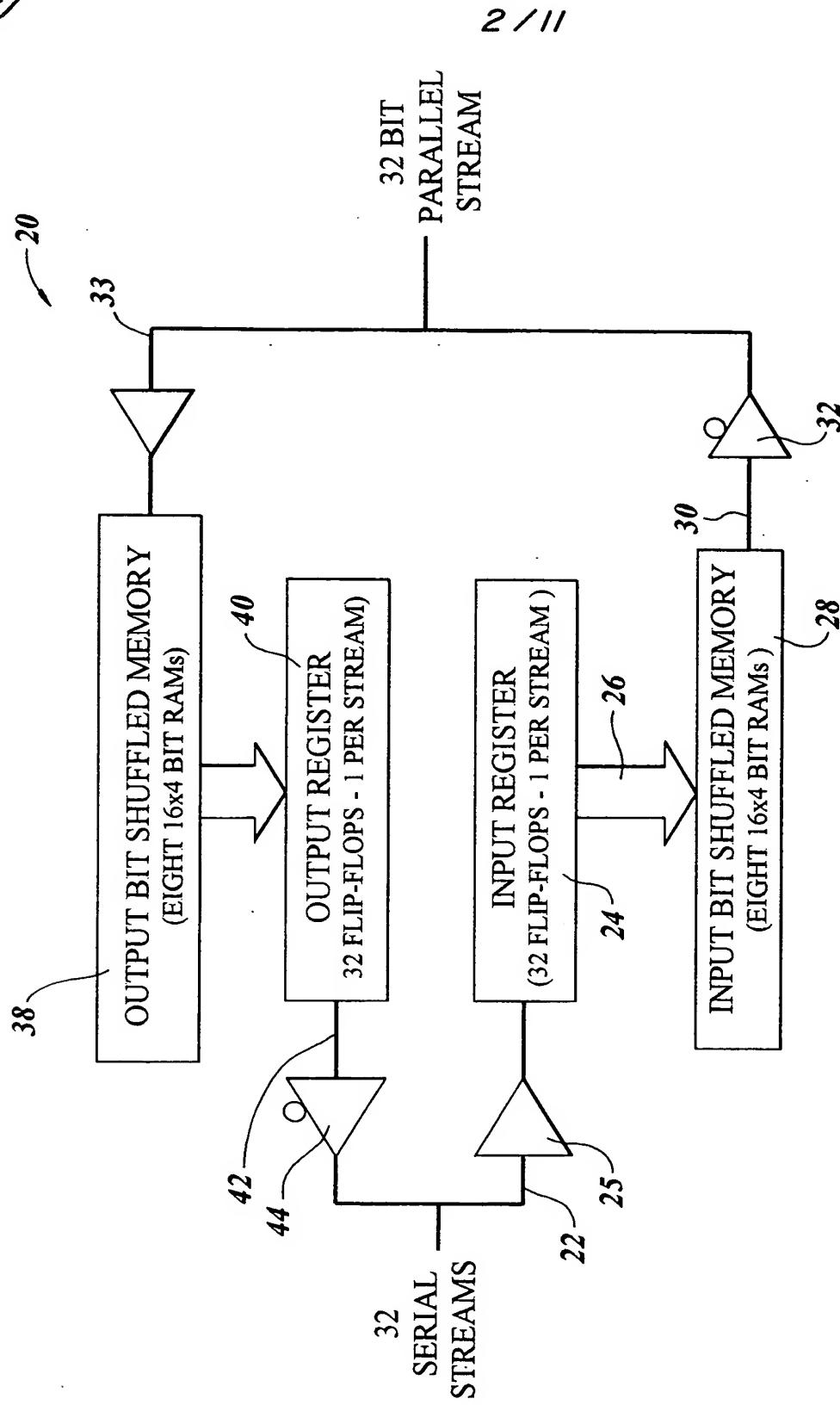


FIG. 2

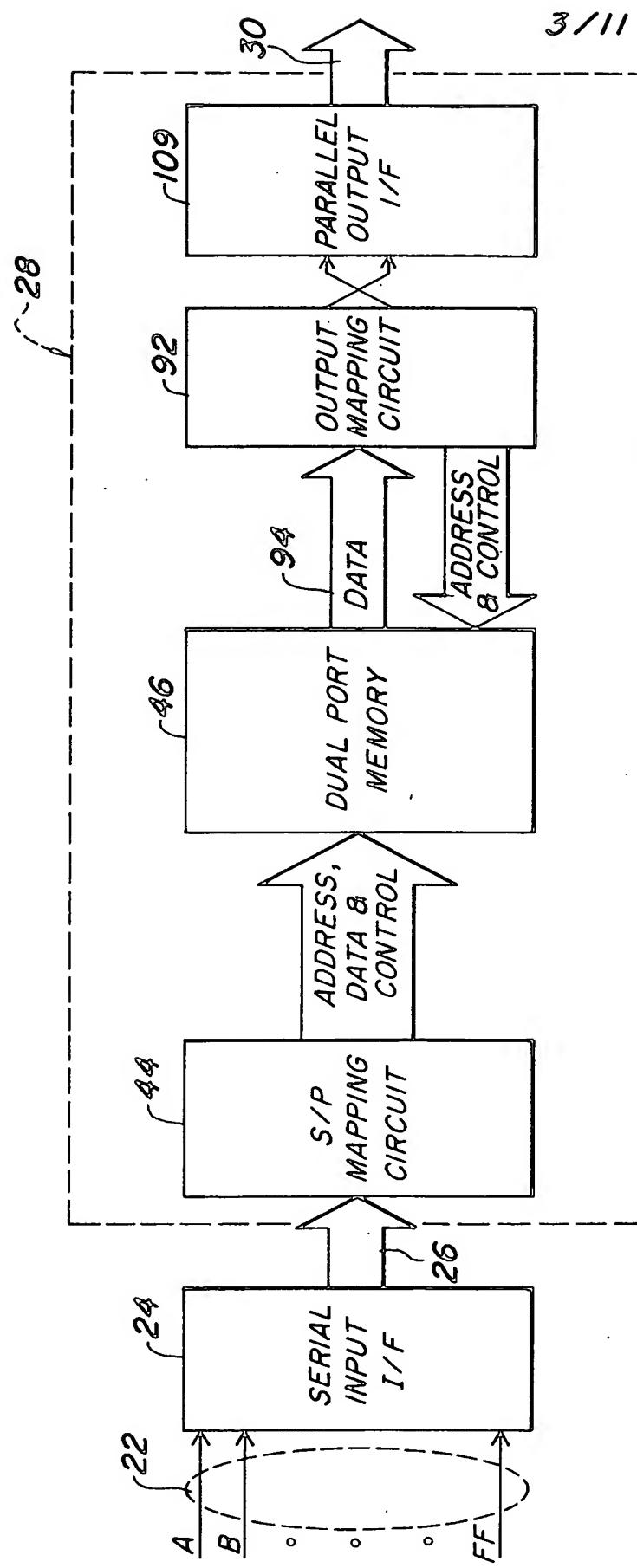


FIG. 3



NOV 25 2003

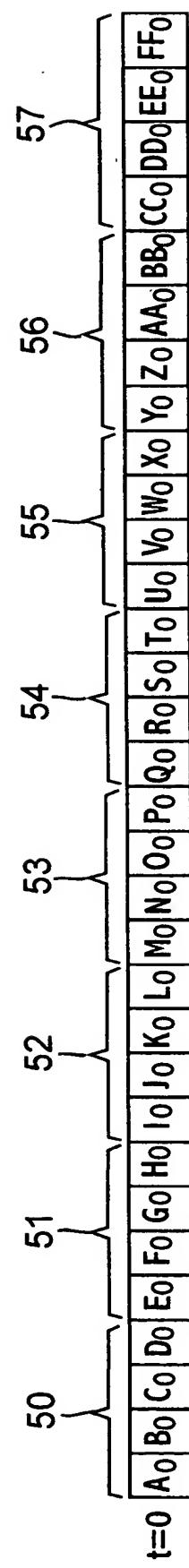


Fig. 4A

4/11

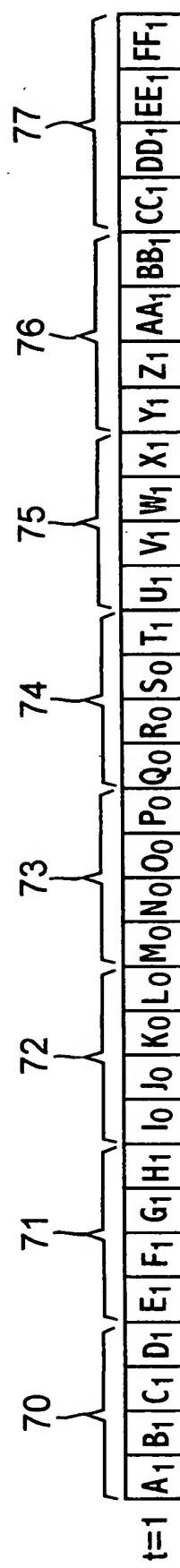


Fig. 4B

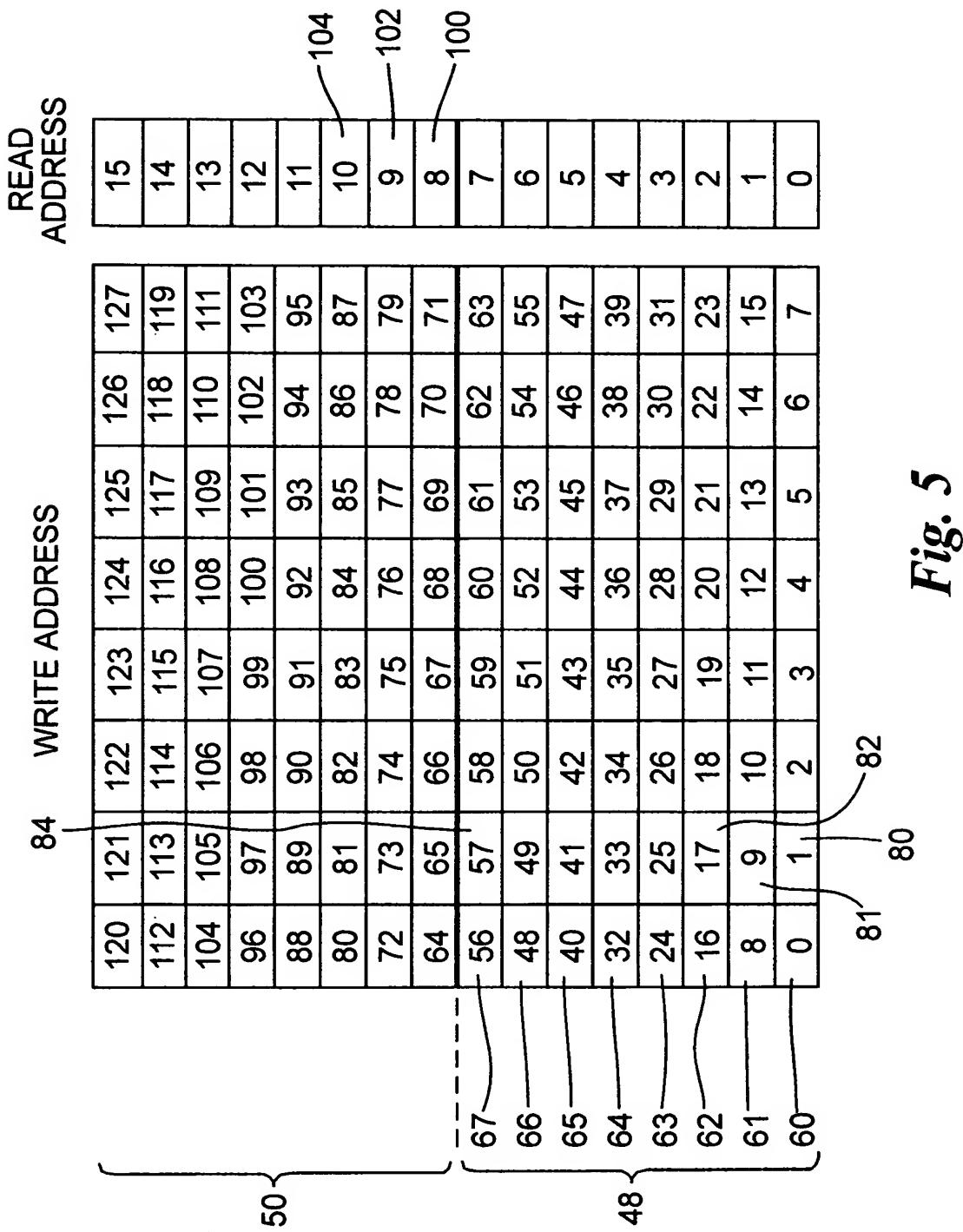


Fig. 5



6/11

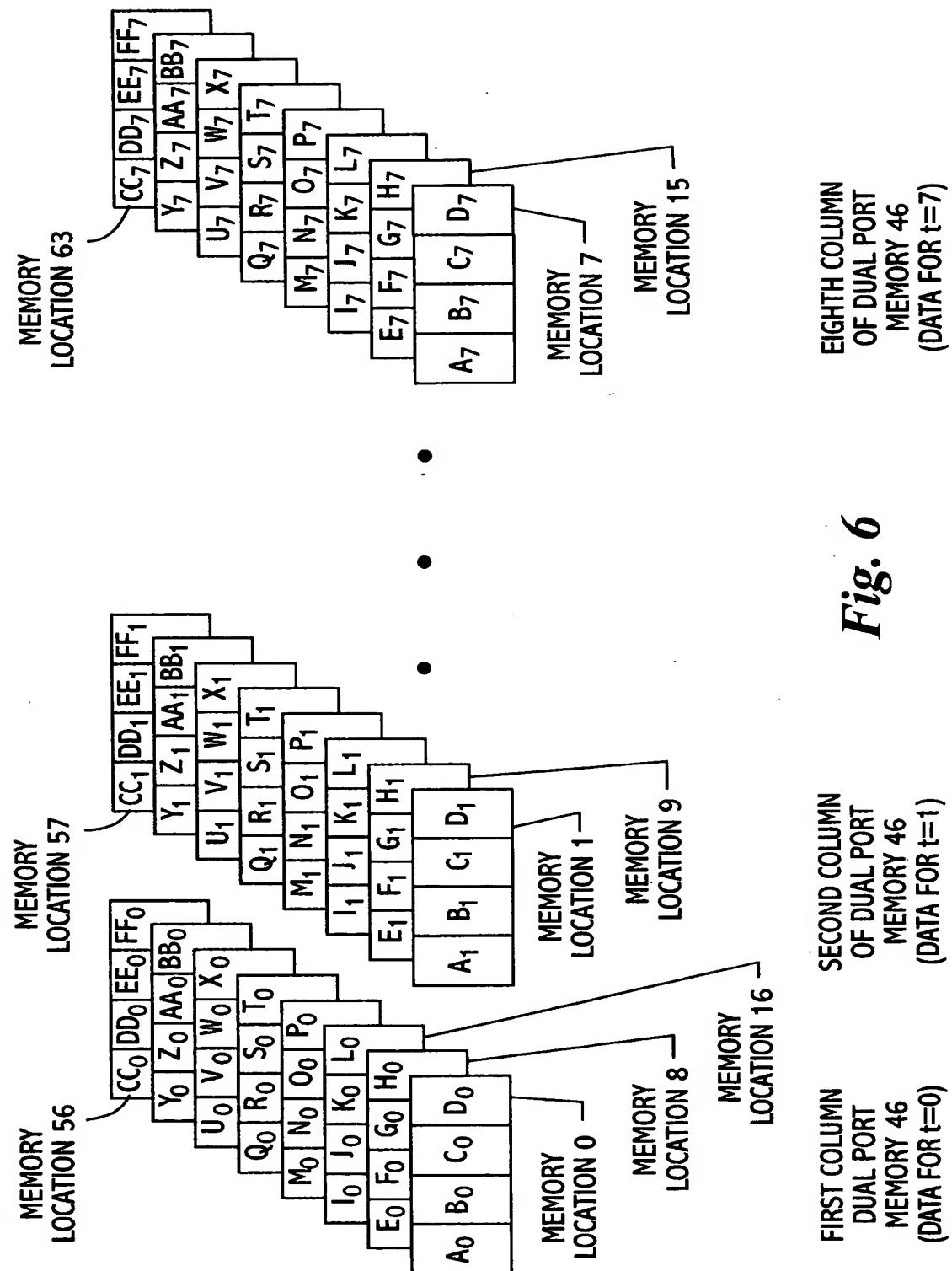


Fig. 6



7/11

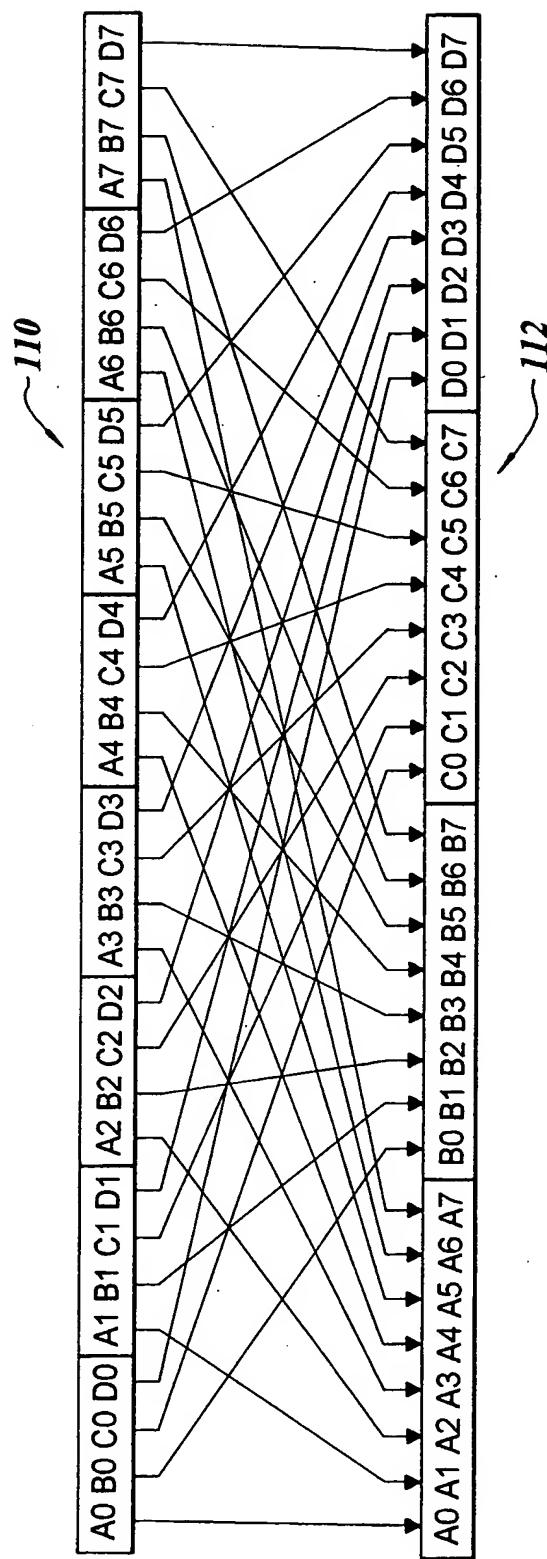


FIG. 7

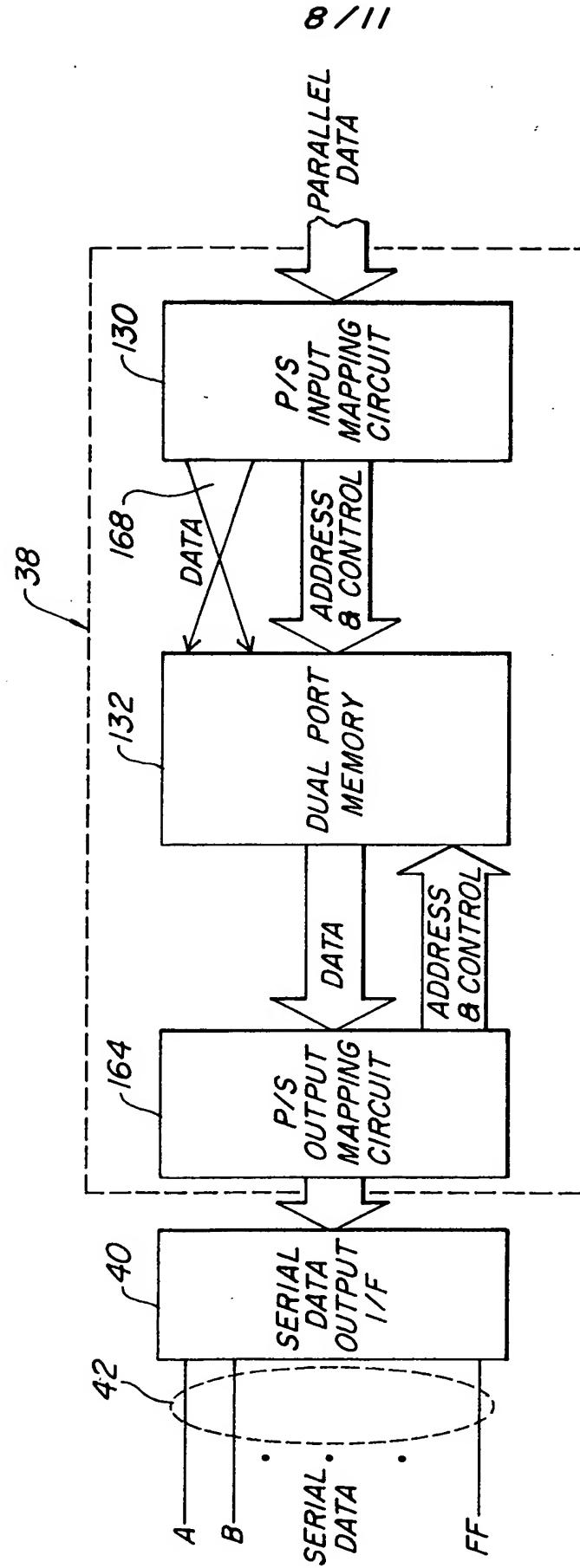


FIG. 8



9 / 11

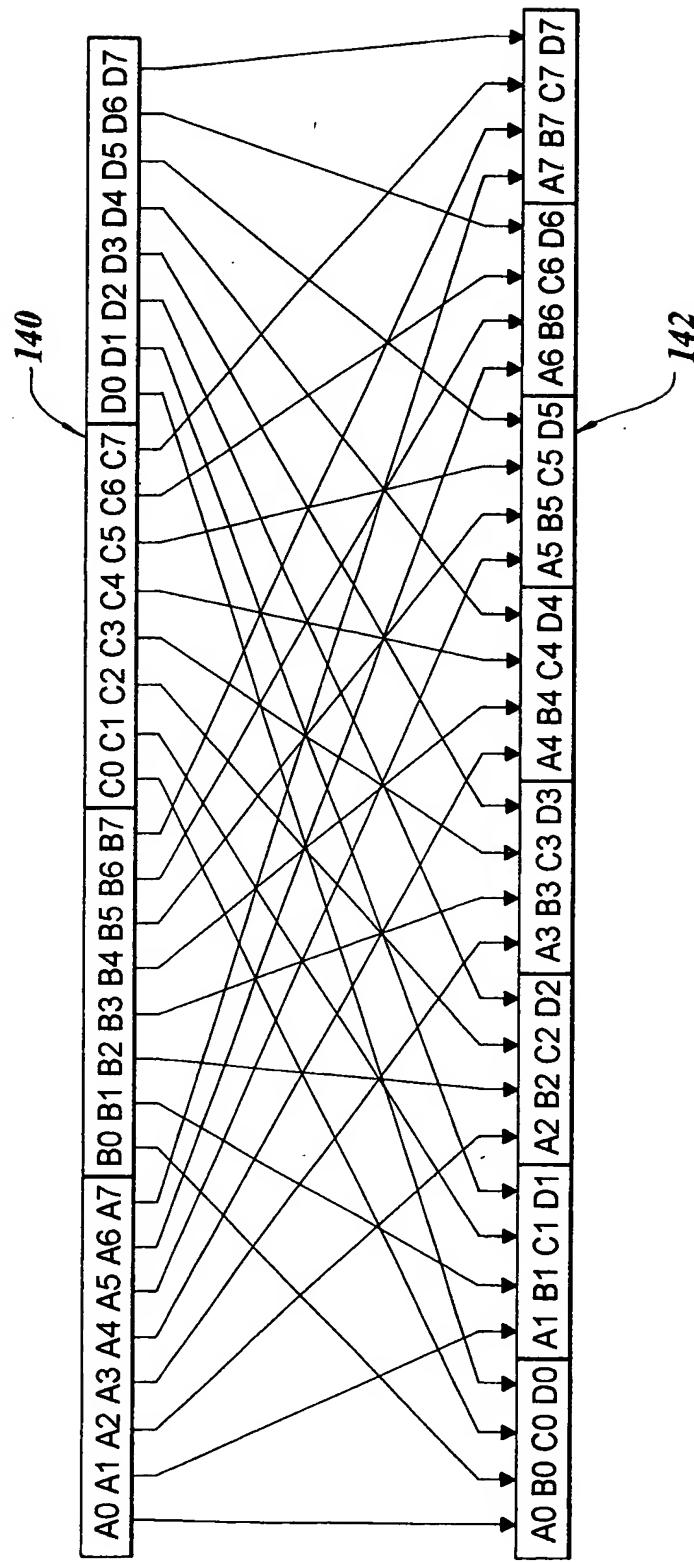


FIG. 9



10/11

WRITE
ADDRESS

15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

132

READ ADDRESS

120	121	122	123	124	125	126	127
112	113	114	115	116	117	118	119
104	105	106	107	108	109	110	111
96	97	98	99	100	101	102	103
88	89	90	91	92	93	94	95
80	81	82	83	84	85	86	87
72	73	74	75	76	77	78	79
64	65	66	67	68	69	70	71
56	57	58	59	60	61	62	63
48	49	50	51	52	53	54	55
40	41	42	43	44	45	46	47
32	33	34	35	36	37	38	39
24	25	26	27	28	29	30	31
16	17	18	19	20	21	22	23
8	9	10	11	12	13	14	15
0	1	2	3	4	5	6	7

148
147

166

154

↑

FIG. 10



180

$t=0$	A ₀	B ₀	C ₀	D ₀	E ₀	F ₀	G ₀	H ₀	I ₀	J ₀	K ₀	L ₀	M ₀	N ₀	O ₀	P ₀	Q ₀	R ₀	S ₀	T ₀	U ₀	V ₀	W ₀	X ₀	Y ₀	Z ₀	AA ₀	BB ₀	CC ₀	DD ₀	EE ₀	FF ₀
FROM MEMORY LOCATION	0	8	16	24	32	40	48	56																								

11/11

$t=1$	A ₁	B ₁	C ₁	D ₁	E ₁	F ₁	G ₁	H ₁	I ₀	J ₀	K ₀	L ₀	M ₀	N ₀	O ₀	P ₀	Q ₀	R ₀	S ₀	T ₁	U ₁	V ₁	W ₁	X ₁	Y ₁	Z ₁	AA ₁	BB ₁	CC ₁	DD ₁	EE ₁	FF ₁
FROM MEMORY LOCATION	1	9	17	25	33	41	49	57																								

Fig. 11